

**PATENT ABSTRACTS OF JAPAN**(11)Publication number : **2000-128819**(43)Date of publication of application : **09.05.2000**

(51)Int.Cl.

**C07C 39/16****B01J 31/08****C07C 37/20****// C07B 61/00**(21)Application number : **10-300866**(71)Applicant : **IDEMITSU PETROCHEM CO LTD**(22)Date of filing : **22.10.1998**(72)Inventor : **IWAHARA MASAHIRO****(54) PRODUCTION OF BISPHENOL A**

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a method for producing bisphenol A having a hue stable at high temperatures without coloring.

**SOLUTION:** Phenol is reacted with acetone using an acid type ion exchange resin as a catalyst and an alkyl mercaptan as a promoter to produce bisphenol A. In this case, the reaction is conducted under conditions of 60-100°C reactional temperature, 6-13 molar ratio of the phenol/acetone and 13-25 molar ratio of the acetone/mercaptan to distill and remove the unreacted acetone, water formed as a by-product and the alkyl mercaptan as the promoter. Furthermore, the concentration of an organosulfur compound in the crystallization raw material after distilling and removing the excessive phenol is measured and the concentration is kept at  $\leq 200$  wt.ppm.

**LEGAL STATUS**

[Date of request for examination]

**08.03.2004**

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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